

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:23 ; Search time 140.11 Seconds
(without alignments)
5.511 Million cell updates/sec

Title: US-09-331-631A-1_COPY_74_116

Perfect score: 248
Sequence: 1 NDEDPQTEQCQRCRCRQGE.....RQOQYCRCKEICEEBE 43

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A-COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B-COMB.pep:*
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4: /cgn2_6/ptodata/2/1aa/PCITUS-COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	117	47.2	566	1 US-07-955-905A-2	Sequence 2, Appli
2	117	47.2	566	1 US-07-955-905A-22	Sequence 22, Appli
3	101	40.7	587	1 US-07-955-905A-23	Sequence 23, Appli
4	63.5	25.6	34	2 US-08-822-561-1	Sequence 1, Appli
5	63.5	25.6	301	2 US-08-656-906-25	Sequence 25, Appli
6	60.5	24.4	215	4 PCT-US93-05000-33	Sequence 33, Appli
7	60	24.2	223	3 US-09-066-408-11	Sequence 11, Appli
8	59	23.8	440	1 US-08-333-358-8	Sequence 8, Appli
9	59	23.8	440	1 US-08-463-694-8	Sequence 8, Appli
10	59	23.8	440	1 US-08-694-501-8	Sequence 8, Appli
11	59	23.8	447	1 US-08-373-935-1	Sequence 1, Appli
12	58.5	23.6	88	2 US-08-465-380-43	Sequence 43, Appli
13	58.5	23.6	88	2 US-08-486-397-43	Sequence 43, Appli
14	58.5	23.6	88	2 US-08-461-965-43	Sequence 43, Appli
15	58.5	23.6	88	2 US-08-634-641-43	Sequence 43, Appli
16	58.5	23.6	88	3 US-09-249-471-43	Sequence 43, Appli
17	58.5	23.6	88	3 US-09-249-472-43	Sequence 43, Appli
18	58.5	23.6	88	3 US-09-249-451-43	Sequence 43, Appli
19	58.5	23.6	88	3 US-08-809-455-43	Sequence 43, Appli
20	58.5	23.6	88	3 US-09-249-461-43	Sequence 43, Appli
21	58.5	23.6	88	3 US-09-249-448-43	Sequence 43, Appli
22	58.5	23.6	88	3 US-09-249-448-43	Sequence 43, Appli
23	58.5	23.6	514	2 US-08-960-022-14	Sequence 14, Appli
24	57	23.0	223	3 US-09-066-408-7	Sequence 7, Appli
25	57	23.0	223	3 US-09-066-408-8	Sequence 8, Appli
26	57	23.0	303	1 US-08-109-391A-2	Sequence 9, Appli
27	57	23.0	303	1 US-08-459-019A-2	Sequence 2, Appli
28	57	23.0	303	1 US-08-459-019A-2	Sequence 2, Appli

29	57	23.0	303	2 US-08-460-428A-2	Sequence 2, Appli
30	57	23.0	303	3 US-08-458-860A-2	Sequence 2, Appli
31	57	23.0	752	1 US-08-244-189-2	Sequence 2, Appli
32	56.5	22.8	993	3 US-09-060-410-4	Sequence 4, Appli
33	56	22.6	1898	1 US-08-056-200-94	Sequence 94, Appli
34	56	22.6	1898	2 US-08-800-644-94	Sequence 94, Appli
35	55.5	22.4	401	3 US-08-974-022-4	Sequence 4, Appli
36	55	22.2	1162	2 US-07-728-323A-2	Sequence 2, Appli
37	55	22.2	1342	1 US-07-978-895-4	Sequence 4, Appli
38	55	22.2	1342	2 US-08-484-438-9	Sequence 9, Appli
39	55	22.2	1342	2 US-08-473-119-4	Sequence 4, Appli
40	55	22.2	1342	2 US-08-475-352-4	Sequence 4, Appli
41	55	22.2	1343	5 518384-4	Sequence 4, Appli
42	54.5	22.0	605	1 US-07-955-905A-24	Sequence 24, Appli
43	54	21.8	460	1 US-08-342-411A-2	Sequence 2, Appli
44	54	21.8	461	1 US-08-330-518-2	Sequence 2, Appli
45	54	21.8	461	1 US-08-330-283-2	Sequence 2, Appli

ALIGNMENTS

```
RESULT 1
US-07-955-905A-2
: Sequence 2, Application US/07955905A
: Patent No. 5770433
: GENERAL INFORMATION:
: APPLICANT:
: TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
: TITLE OF INVENTION: PRECURSOR
: NUMBER OF SEQUENCES: 28
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: IBM PC compatible
: SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/955,905A
: FILING DATE: 21-JAN-1993
: CLASSIFICATION: 435
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 566 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
US-07-955-905A-2

Query Match 47.2%; Score 117; DB 1; Length 566;
Best Local Similarity 50.0%; Pred. No. 1.7e-05;
Matches 20; Conservative 10; Mismatches 10; Indels 0; Gaps 0;

QY 2 QEDPQTEQCQRCRCRQGESGPRQOQYCRCKEICEEBE 41
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Db 78 EELIQRQYQCCQRCRCRQGEQOQCRCKEICEEBE 117

RESULT 2
US-07-955-905A-22
: Sequence 22, Application US/07955905A
: Patent No. 5770433
: GENERAL INFORMATION:
: APPLICANT:
: TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
: TITLE OF INVENTION: PRECURSOR
: NUMBER OF SEQUENCES: 28
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: IBM PC compatible
: SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
: CURRENT APPLICATION DATA:
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LOCATION: 1..223
OTHER INFORMATION: /note="sheep alpha-S2 casein
precursor"
OTHER INFORMATION: precursor
US-09-066-408-11

Query Match 24.2%; Score 60; DB 3; Length 223;
Best Local Similarity 26.7%; Pred. No. 8.2;
Matches 12; Conservative 12; Mismatches 19; Indels 2; Gaps 1;

QY 1 NQDPQTECOGCRQCGSSPRQOOCORCKEICE--EEERY 43
DB 24 SSEPINISOETIKYKKNMAIHPKXKLCITTSCEVVRNADDEERY 68

RESULT 8
US-08-333-358-8
Sequence 8, Application US/08333358
Patent No. 5571696
GENERAL INFORMATION:
APPLICANT: EVANS Ph.D., RONALD M.
APPLICANT: MANGELSDORF Ph.D., DAVID J.
APPLICANT: ONG Ms., ESTELITA S.
APPLICANT: ORO Ph.D., ANTHONY E.
APPLICANT: BORGMEYER Ph.D., UWE K.
APPLICANT: GIGUERE Ph.D., VINCENT NMN
APPLICANT: YAO Mr., TSO-PANG NMN
TITLE OF INVENTION: NOVEL RECEPTORS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 So. Flower St., Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: US
ZIP: 90071-2921
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/333,358
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/761,068
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Reiter Ph.D., Stephen E.
REGISTRATION NUMBER: 31192
REFERENCE/DOCKET NUMBER: P31 8936
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ. ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 440 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-333-358-8

Query Match 23.8%; Score 59; DB 1; Length 440;
Best Local Similarity 39.0%; Pred. No. 20;
Matches 16; Conservative 10; Mismatches 5; Indels 10; Gaps 4;

QY 8 ECOCQO-RRCROQESGPRQOYC-----QRCKEICEEEE 42
DB 142 KCQECRLKRCQ--AGMRE--CVLSEQIRLKKRKQEEE 178

RESULT 9
US-08-463-694-8
Sequence 8, Application US/08463694
Patent No. 5696233
GENERAL INFORMATION:
APPLICANT: EVANS Ph.D., RONALD M.
APPLICANT: MANGELSDORF Ph.D., DAVID J.
APPLICANT: ONG Ms., ESTELITA S.
APPLICANT: ORO Ph.D., ANTHONY E.
APPLICANT: BORGMEYER Ph.D., UWE K.
APPLICANT: GIGUERE Ph.D., VINCENT NMN
APPLICANT: YAO Mr., TSO-PANG NMN
TITLE OF INVENTION: NOVEL RECEPTORS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 So. Flower St., Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: US
ZIP: 90071-2921
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/463,694
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US-07/761,068
FILING DATE: 17-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: Reiter Ph.D., Stephen E.
REGISTRATION NUMBER: 31192
REFERENCE/DOCKET NUMBER: P31 8936
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ. ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 440 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-463-694-8

Query Match 23.8%; Score 59; DB 1; Length 440;
Best Local Similarity 39.0%; Pred. No. 20;
Matches 16; Conservative 10; Mismatches 5; Indels 10; Gaps 4;

QY 8 ECOCQO-RRCROQESGPRQOYC-----QRCKEICEEEE 42
DB 142 KCQECRLKRCQ--AGMRE--CVLSEQIRLKKRKQEEE 178

RESULT 10
US-08-694-501-8
Sequence 8, Application US/08694501
Patent No. 5710004
GENERAL INFORMATION:
APPLICANT: EVANS Ph.D., RONALD M.
APPLICANT: MANGELSDORF Ph.D., DAVID J.
APPLICANT: ONG Ms., ESTELITA S.
APPLICANT: ORO Ph.D., ANTHONY E.
APPLICANT: BORGMEYER Ph.D., UWE K.
APPLICANT: GIGUERE Ph.D., VINCENT NMN
APPLICANT: YAO Mr., TSO-PANG NMN
TITLE OF INVENTION: NOVEL RECEPTORS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:

ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 So. Flower St., Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: US
ZIP: 90071-2921
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/694,501
FILING DATE: 07-AUG-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/333,358
FILING DATE:
APPLICATION NUMBER: US/07/761,068
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Reiter Ph.D., Stephen E.
REGISTRATION NUMBER: 31192
REFERENCE/DOCKET NUMBER: P31 8936
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 440 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-694-501-8

Query Match 23.8%; Score 59; DB 1; Length 440;
Best Local Similarity 39.0%; Pred. No. 20;
Matches 16; Conservative 10; Mismatches 5; Indels 10; Gaps 4;

OY 8 ECGOCC-RRCROESGPRQOYC-----QRCKEICEEE 42
Db 142 KCQECRLKCRQ--AGMRE--CVLSEQIRLKLKROEE 178

RESULT 11
US-08-373-935-1
Sequence 1, Application US/08373935
Patent No. 5747661
GENERAL INFORMATION:
APPLICANT: Evans, Ronald M.
APPLICANT: Mangeldorf, David J.
APPLICANT: Willy, Patricia J.
TITLE OF INVENTION: IDENTIFICATION OF A DISTINCT
TITLE OF INVENTION: RETINOID-RESPONSIVE PATHWAY AND USES THEREFOR
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/373,935
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:

NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41 9894
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-4737
TELEFAX: 619-546-4737
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 447 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-373-935-1

Query Match 23.8%; Score 59; DB 1; Length 447;
Best Local Similarity 39.0%; Pred. No. 20;
Matches 16; Conservative 10; Mismatches 5; Indels 10; Gaps 4;

OY 8 ECGOCC-RRCROESGPRQOYC-----QRCKEICEEE 42
Db 149 KCQECRLKCRQ--AGMRE--CVLSEQIRLKLKROEE 185

RESULT 12
US-08-465-380-43
Sequence 43, Application US/08465380
Patent No. 5863894
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Ganssemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: word perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,380
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 88 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:

